DLV1420W

D/N IR Cameras

Installation and Operations Manual

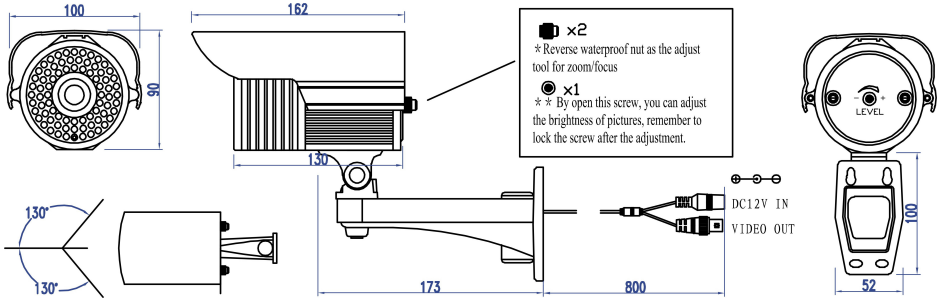
Model Number: DLV1420W, DLV1423W, DLV1425W, DLV1426W

Description: 1/3” 420TVL, 520TVL, 550TVL

Day/Night IR Cameras

Weatherproof Varifocal IR Color Camera

- **ITEM №: DLW1423WA/WBR1**



- **Caution for Installation**

1. In order to prevent electronic shock, don't loosen any screws or covers.
2. Do not directly touch the front glass. If necessary, use a soft cloth moistened with alcohol to wipe off the dust.
3. Avoid places where there are frequent vibrations or shocks.
4. Don't operate the camera beyond its temperature, power source ratings.
5. When any abnormalities happen, make sure to unplug the camera and contact your local dealer.

- **Packing**

1.	Camera	X1
2.	User Manual	X1
3.	Screw	X4
4	Plastic-Conical-Anchor	X4
5.	Mounting drawing paper	X1
6.	Hexagonal Wrench	X1

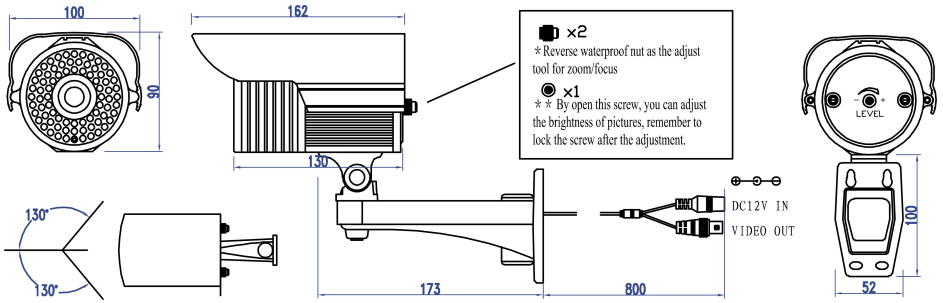
- **Specification**

ITEM	DLW1423WA/WBR1
Type	Color/Monochrome（Removable IR Cut Filter）
Signal System	NTSC/PAL
Pick Up Device	1/3" Sony Color High Resolution CCD
Picture Elements	NTSC:811H×508V; PAL:795H×596V
Resolution	520TVL
Min Illumination	0Lux（76 Pieces IR LED ON）
Vertical Frequency	NTSC:60Hz; PAL:50Hz
Horizontal Frequency	NTSC:15.734KHz; PAL:15.625KHz
Clock Frequency	NTSC:28.636MHz; PAL:28.375MHz
Scanning System	2:1 Interlace
S/N Ratio	≥50dB
Electronic Shutter	NTSC:1/60-1/100,000s;　PAL:1/50-1/100,000s
Lens	6-50mm Varifocal Auto Iris IR Lens
White Balance	AUTO Tracking
Back Light	ON
Auto Gain Control	ON
GAMMA	0.45
Video Out-put	1V p-p,75Ω
Power Supply	DC12V ±10%
Current Consumption	650mA(Max)
IR Effect Distance	55~60m (Outdoor)
Dimension	162×100×90mm
Weight	1330g
Storage Temperature	-30～+60℃
Operating Temperature	-30～+40℃

Remark: Non-regulative adaptor may cause camera damaged.

Weatherproof Varifocal IR Color Camera

- **ITEM №: DLW1425WA/WB21**



- **Caution for Installation**

6. In order to prevent electronic shock, don't loosen any screws or covers.
7. Do not directly touch the front glass. If necessary, use a soft cloth moistened with alcohol to wipe off the dust.
8. Avoid places where there are frequent vibrations or shocks.
9. Don't operate the camera beyond its temperature, power source ratings.
10. When any abnormalities happen, make sure to unplug the camera and contact your local dealer.
11. While using the wide angle lens of 2.8mm, please push the sunshield backward to a 12mm from the back cover.

- **Packing**

1. Camera X1
2. User Manual X1
3. Screw X4
4. Plastic-Conical-Anchor X4
5. Mounting drawing paper X1

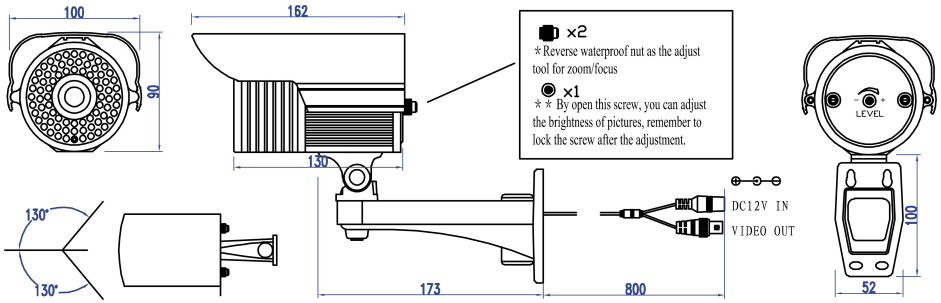
- **Specification**

ITEM	DLW1425WA/WB21
Type	Color/Monochrome（Removable IR Cut Filter）
Signal System	NTSC/PAL
Pick Up Device	1/3" Sony Color High Resolution CCD
Picture Elements	NTSC:811H×508V; PAL:795H×596V
Resolution	550TVL
Min Illumination	0Lux（76 Pieces IR LED ON）
Vertical Frequency	NTSC:60Hz; PAL:50Hz
Horizontal Frequency	NTSC:15.734KHz; PAL:15.625KHz
Clock Frequency	NTSC:28.636MHz; PAL:28.375MHz
Scanning System	2:1 Interlace
S/N Ratio	⩾52dB
Electronic Shutter	NTSC:1/60-1/100,000s; PAL:1/50-1/100,000s
Lens	2.8-11mm Varifocal Auto iris IR Lens
White Balance	AUTO Tracking
Back Light	ON
Auto Gain Control	ON
GAMMA	0.45
Video Out-put	1V p-p,75Ω
Power Supply	DC12V ±10%
Current Consumption	650mA(Max)
IR Effect Distance	20~25M (Outdoor)
Dimension	162×100×90mm
Weight	1330g
Storage Temperature	-30～+60℃
Operating Temperature	-30～+40℃

Remark: Non-regulative adaptor may cause camera damaged.

Weatherproof Varifocal IR Color Camera

- **ITEM №: DLV1425A/WBR1**



- **Caution for Installation**

12. In order to prevent electronic shock, don't loosen any screws or covers.
13. Do not directly touch the front glass. If necessary, use a soft cloth moistened with alcohol to wipe off the dust.
14. Avoid places where there are frequent vibrations or shocks.
15. Don't operate the camera beyond its temperature, power source ratings.
16. When any abnormalities happen, make sure to unplug the camera and contact your local dealer.
17. While using the wide angle lens of 2.8mm, please push the sunshield backward to a 12mm from the back cover.

- **Packing**

1.	Camera	X1
2.	User Manual	X1
3.	Screw	X4
4.	Plastic-Conical-Anchor	X4
5.	Mounting drawing paper	X1
6.	Hexagonal Wrench	X1

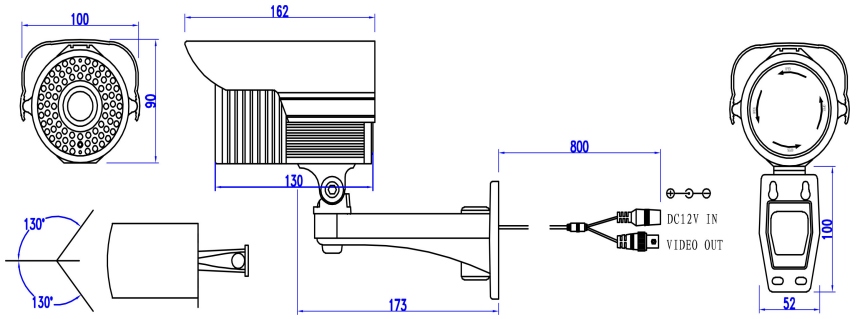
- **Specification**

ITEM	DLV1425WA/WBR1
Type	Color/Monochrome（Removable IR Cut Filter）
Signal System	NTSC/PAL
Pick Up Device	1/3" Sony Color High Resolution CCD
Picture Elements	NTSC:811H×508V; PAL:795H×596V
Resolution	550TVL
Min Illumination	0Lux（76 Pieces IR LED ON）
Vertical Frequency	NTSC:60Hz; PAL:50Hz
Horizontal Frequency	NTSC:15.734KHz; PAL:15.625KHz
Clock Frequency	NTSC:28.636MHz; PAL:28.375MHz
Scanning System	2:1 Interlace
S/N Ratio	⩾52dB
Electronic Shutter	NTSC:1/60-1/100,000s;　PAL:1/50-1/100,000s
Lens	6-50mm Varifocal Auto iris IR Lens
White Balance	AUTO Tracking
Back Light	ON
Auto Gain Control	ON
GAMMA	0.45
Video Out-put	1V p-p,75Ω
Power Supply	DC12V ±10%
Current Consumption	650mA(Max)
IR Effect Distance	50~55m (Outdoor)
Dimension	162×100×90mm
Weight	1330g
Storage Temperature	-30～+60℃
Operating Temperature	-30～+40℃

Remark: Non-regulative adaptor may cause camera damaged.

Weatherproof Varifocal IR Color Camera

- **ITEM №: DLV1426WA/WBR1**



- **Caution for Installation**

18. In order to prevent electronic shock, don't loosen any screws or covers.
19. Do not directly touch the front glass. If necessary, use a soft cloth moistened with alcohol to wipe off the dust.
20. Avoid places where there are frequent vibrations or shocks.
21. Don't operate the camera beyond its temperature, power source ratings.
22. When any abnormalities happen, make sure to unplug the camera and contact your local dealer.

- **Packing**

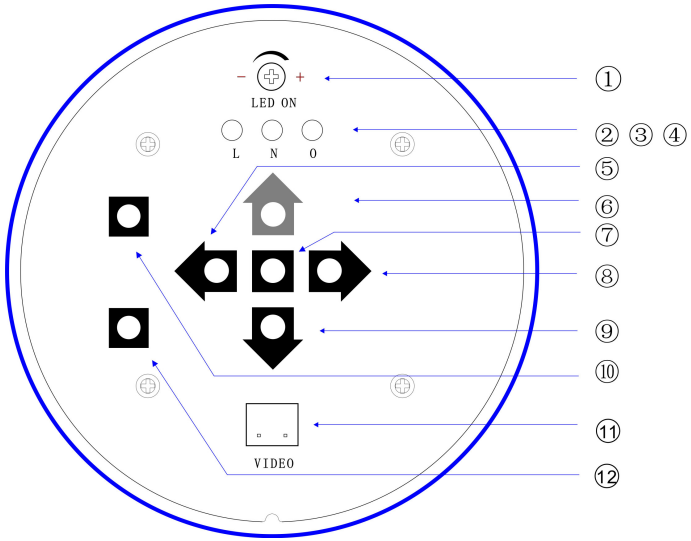
1.	Camera	X1
2.	User Manual	X1
3.	Screw	X4
4	Plastic-Conical-Anchor	X4
5.	Mounting drawing paper	X1
6.	Hexagonal Wrench	X1
7.	Video Line	X1

- **Specification**

EXPOSURE	DLV1426WA/WBR1
Type	Color/Monochrome（Removable IR Cut Filter）
Signal System	NTSC/PAL
Pick Up Device	1/3" Sony Color High Resolution CCD
Picture Elements	NTSC:811H×508V; PAL:795H×596V
Resolution	550TVL
Min Illumination	0Lux（76 Pieces IR LED ON）
Vertical Frequency	NTSC:60Hz; PAL:50Hz
Horizontal Frequency	NTSC:15.734KHz; PAL:15.625KHz
Clock Frequency	NTSC:28.636MHz; PAL:28.375MHz
Scanning System	2:1 Interlace
S/N Ratio	≥52dB
Electronic Shutter	NTSC:1/60-1/100,000s; PAL:1/50-1/100,000s
Lens	6-50mm Varifocal Auto Iris IR Lens
White Balance	AUTO Tracking
Back Light	ON
Auto Gain Control	ON
GAMMA	0.45
Video Out-put	1V p-p,75Ω
Power Supply	DC12V ±10%
Current Consumption	650mA(Max)
IR Effect Distance	35~40m (Outdoor)
Dimension	162×100×90mm
Weight	1330g
Storage Temperature	-30～+60℃
Operating Temperature	-30～+40℃

Remark: Non-regulative adaptor may cause camera damaged.

- **Open this body tail cover, Major control key and function**



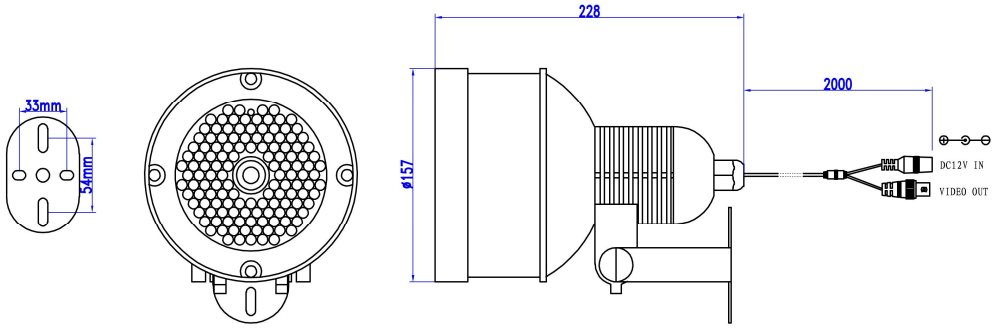
- Time Adjustor of LED ON LUX
- ‘‘L” Lack of Normal Power indicator light
- “N” Normal Power indicator light
- “O” Over Normal Power indicator light
- Press “Left” for screen choice
- NC/Press “Up” for screen choice(Only,DZ85ZC)
- Press “Enter” for screen choice
- Press “Right” for screen choice
- Press “Down” for screen choice
- Press button as the adjust tool for zoom/focus
- Video output end
- Press button as the adjust tool for zoom/focus(5-9:OSD Menu control key)

- **Adjustable parameters by OSD menu Packing**

OSD Menu Item	Adjustable Parameters
EXPOSURE	LENS/BRLGHTNESS/BACKLIGHT/SHUTTER/AGC/SENSE UP
WHITE BAL	ATW/AWC/MANUAL
DAY/NIGHT	AUTO/DAY/NIGHT/EXT
MOTION	DETECT MOOE，ON/OFF. (Select ON to set Motion Area and adjust sensitivity of Motion)
PRIVACY	To select and adjust the size and area of Privacy
DISPLAY	TITLE/NOTION DET/CAMERAID
LENG (ELC/DC)	ELC/DC
BACKLIGHT	OFF/ON
SHUTTER(Type of lens: CD)	Option of 8 characters set
SENSE UP	Adjustable
OPTION	TITLE/NEGA, POSI/SHRPNESS
SYNC	AUTO/INT
BRIGHTNESS	Adjustable
SHRPNESS	Adjustable
AGC	OFF/LOW/MID/HIGH
CAMERA ID	Show The Setup of ID adjustable

Weatherproof IR Color Camera

- **ITEM №: DLV1425WA/WB01**



- **Caution for Installation**

23. In order to prevent electronic shock and/or destroy waterproof, don't loosen any screws and/or covers.
24. Adjust the sunshade cover to avoid sunlight shoot the lens directly.
25. Do not directly touch the front glass. If necessary, use a soft cloth moistened with alcohol to wipe off the dust.
26. Avoid places where there are frequent vibrations or shocks.
27. Don't operate the camera beyond its temperature, power source ratings.
28. When any abnormalities happen, make sure to unplug the camera and contact your local dealer.

- **Packing**

1. Camera X1
2. User Manual X1
3. Screw X4
4. Metal-Conical-Anchor X4
5. Hexagonal Wrench X1

- **Specification**

ITEM	DLV1425WA/WB01
Type	Color/Monochrome（Removable IR Cut Filter）
Signal System	NTSC/PAL
Pick Up Device	1/3" Sony Color High Resolution CCD
Picture Elements	NTSC:811H×508V; PAL:795H×596V
Resolution	550 TV Line
Min Illumination	0Lux (133 Pieces High Power IR LED ON)
Vertical Frequency	NTSC:60Hz; PAL:50Hz
Horizontal Frequency	NTSC:15.734KHz; PAL:15.625KHz
Clock Frequency	NTSC:28.636MHz; PAL:28.375MHz
Scanning System	2:1 Interlace
S/N Ratio	≥52dB
Electronic Shutter	NTSC:1/60-1/100,000s; PAL: 1/50-1/100,000s
Lens	16mm IR Lens
White Balance	AUTO Tracking
Back Light Compensation	ON
Auto Gain Control	ON
GAMMA	0.45
Video Out-put	1Vp-p,75Ω
Power Supply	DC12V±10%
Current Consumption	1400mA(Max)
IR Effect Distance	120m(Outdoor)
Dimension	ø157×228mm
Weight	2430g
Storage Temperature	-30～+60□
Operating Temperature	-30～+40□

Remark: Non-regulative adaptor may cause camera damaged.